

# Air Force Materiel Command

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*Developing, Fielding, and Sustaining America's Aerospace*



**U.S. AIR FORCE**

## Improving Air Force

## Force Protection

*- An Enterprise*

## *Approach*

Colonel Howard L. Borst  
ESC/FD

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*Integrity - Service - Excellence*



United We Stand

# United We Defend

—*Renewed emphasis on Force Protection (FP) and Homeland Security*



# Background

Background  
Problem  
Solutions

Today  
What is FP  
Strategy to  
Task  
Why EM  
Who is EM

Virtual SPO

Warfighter  
Benefits

Objectives

Recommendation

Summary

→ **AFMC/DR sponsored review for enterprise support of FP R&D, acquisition, support**

***Defined "The Problem"***



# The Problem

## Background Problem Solutions

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## ***Lack of an Integrated Approach to Force Protection System Acquisition***

- ***Multiple AFMC organizations working FP problems***
- ***Planning and system acquisition efforts are divorced***
- ***Information not adequately shared across the acquisition community***



# Solutions

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→ **Resulted in brief to AFMC/CC on 19 Mar**

- ***Recommendations:***
  - ***Institutionalize FP enterprise management***
  - ***Establish a “Virtual” Force Protection SPO***



# Here We Are Today!

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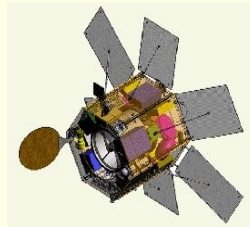
Summary

***AFMC/CC approved establishment of an Enterprise Management approach for FP and directed AFMC/DR to work the details with the Centers***

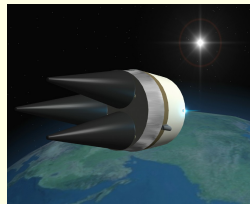
- ***Who will be the Enterprise Commander?***
- ***What will the "Virtual SPO" look like?***



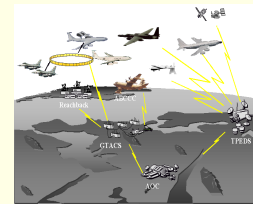
**Aeronautical**



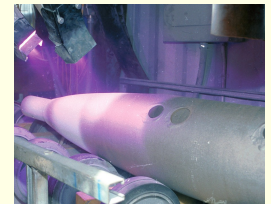
**Space**



**Command & Control**



**Armament**



**Force Protection**







# What is Force Protection?

## FP CONOPS 2020

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**An integrated application of offensive and defensive actions, both active and passive, that preempt or mitigate damaging events that impact air and space operations and assets, based on an acceptable level of risk**



# Strategy-to-Task

<div>Background Problem Solutions</div> <div>Today What is FP Strategy to Task Why EM Who is EM</div> <div>Virtual SPO</div> <div>Warfighter Benefits</div> <div>Objectives</div> <div>Recommendation</div> <div>Summary</div>	<div>AFDD 1-1 AF TASK (AFT) LIST</div> <div>AFT 6.2 PROVIDE THE CAPABILITY TO PROTECT THE FORCE</div> <div>6.2.1 Protect the Force</div> <div>6.2.2 Educate and Train Forces to Protect the Force</div> <div>6.2.3 Equip Forces to Protect the Force</div> <div>6.2.4 Plan to Protect the Force</div>	<div>AFDD 2-4.1 FP</div>	DENY INFO	Counterespionage Programs
				Technical Security Countermeasures Surveys
				Ops & Info Security Vulnerability Assessments
				Info Security / Info Assurance
				Camouflage, Concealment, Deception
			DENY ACCESS	Surveillance Detection & Countersurveillance
				Protective Service Operations
				Protective Threat Assessments & Vulnerability Studies
				Priority Resources - Physical Security
				Non-Priority Resources - Resources Protection
				Combatting Terrorism (Antiterrorism/Counterterrorism)
				Air Base Defense
			DENY INFLU- ENCE	Force Health Protection
				Disaster Preparedness
				Ability to Survive & Operate





# Who has a stake in FP Acquisition?

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## Industry

- Integrators
- Systems Designers
- Manufacturers
- Labs
- Study Houses
- NDIA

## National

- DOE
- DOJ
- DOT
- TSWG

## Joint

- USA
- USN, USMC
- USTRANSCOM
- USSPACECOM
- JFCOM
- CENTCOM

## AFMC

ESC, AAC, ASC  
ALCs, AFRL



## Integrated FP

## Coalition

## MAJCOM

- ACC
- AMC
- AFSPC
- AETC
- PACAF
- AFSPC
- AFRC
- AFANG
- AFCESA
- Battlelabs

## Centers of Excellence

## Pentagon

- SAF/AQ
- AF/XI/XOF/XOH/ISG/TE
- PSEAG (DoD)



# Why an Enterprise Approach?

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Summary

- The enterprise approach shifts focus of FP systems acquisition from a program-centric to an enterprise-wide perspective
- Provides:
  - Framework for integrating cross-cutting FP technologies
  - Framework for integrating development planning priorities with systems acquisition
  - Framework for optimizing FP capabilities
- Benefits
  - Disintegrated systems
    - Multiple points of entry
    - Functional vision
    - Functional advocacy
  - Integrated FP solutions
    - Single point of entry
    - Cross-cutting vision
    - Sr. leadership advocacy

***AF Doctrine requires collaborative, integrated, cross-function effort for Force Protection - so does acquisition!***



# The Force Protection Virtual SPO

## ASC/311 HSW

- **NBC Defense Sys**
- Consultation
  - Environ Safety
  - Occup Health
  - Bio Hazards
- Global Surveillance
- Int'l Health
- Combat Casualty Care
- Training
- Life Support
- **Mod & Sim**



## AAC/WMO

- **Chem/Bio Support**
- EOD Robots
- Fire Technology
- Deployed Infrastructure
- Multimedia Trng
- **Mod & Sim**



## ESC/FD

- **Command and Control**
- Tactical and Fixed Security Systems
- Nuclear Security
- UAVs, Non-lethal Weapons
- Advanced



## AFRL/XPB

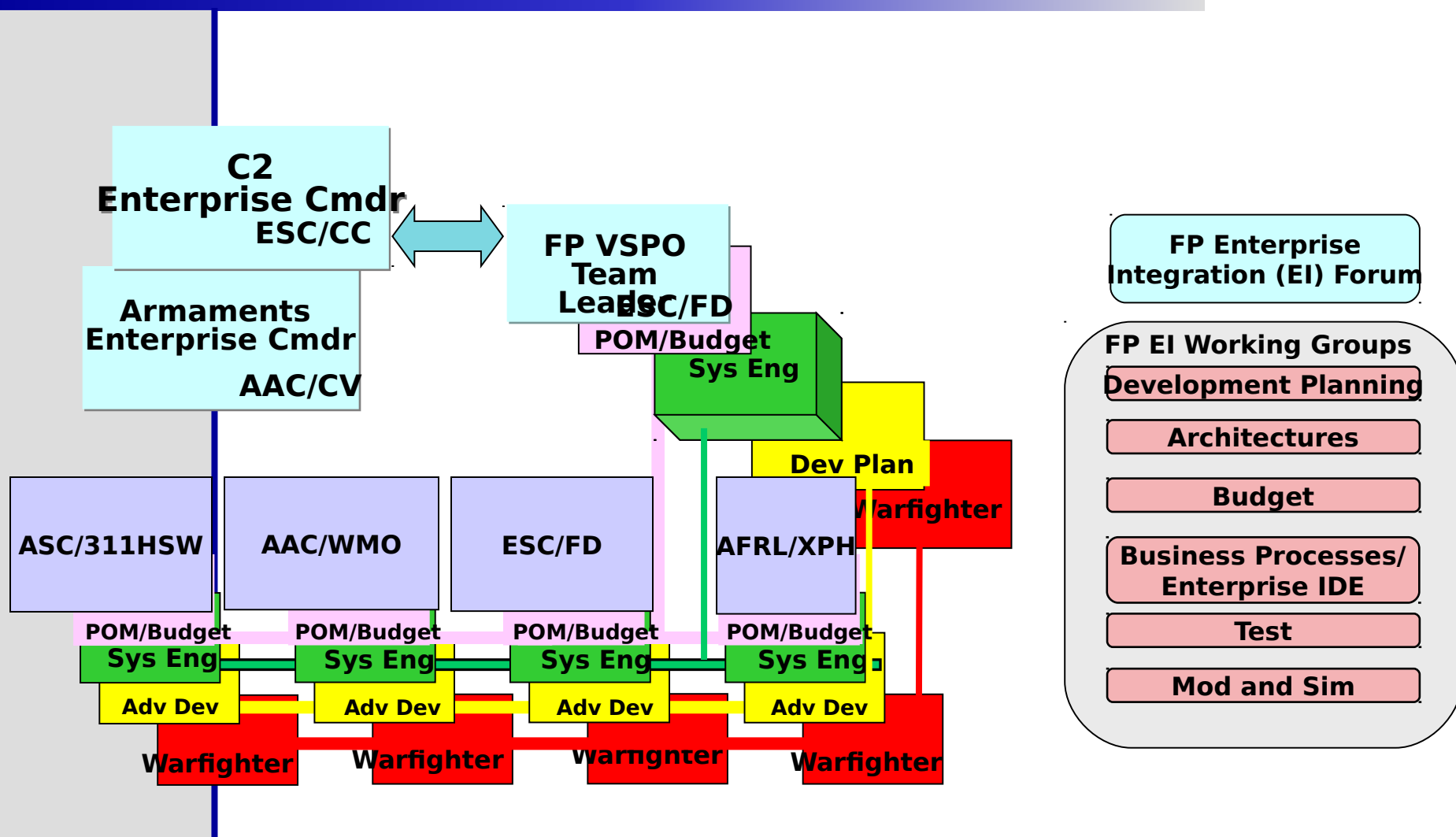
- **Homeland Defense**
- Agile Combat Spt
- Logistics Tech
- **Mod & Sim**



**Cross-Functional Integration in a  
"Collaborative Environment"**



# How the Virtual SPO Works?



***Leveraging existing capabilities***



# Benefits For the Warfighter

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Summary

- **Architecture**
  - Integrated operational and technical views
- **Standards**
  - Program/system interface standards
- **Plans and Programs**
  - Integrated roadmapping and implementation for Force Protection technology and capability enhancement
  - Facilitate planning and programming for FP development
- **One-stop shopping for FP**
  - Integrated schedules, resources, available products/capability available through the Air Force Portal



# Objectives for First 60 Days

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Summary

- ✓ ***Define FP Enterprise Management approach***
- **Define concept of Virtual SPO**
  - ✓ ***Membership***
  - ✓ ***Products***
    - Roles and responsibilities
    - Resources
    - Business processes
- **Implement collaborative tools**
  - ✓ ***Live Link***
    - Integrated Work Space
- **Coordinate with warfighter advocates**
- **Stand up Virtual SPO**





# Objectives for Next 120 Days

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Summary

- **Stand up Force Protection Enterprise Portal**
  - **Integrated schedules**
  - **Integrated product support**
  - **Product descriptions and POCs**
  - **Collaborate with warfighters**
  - **Related links**
- **Stand up Force Protection “ATC”**



# Objectives Beyond 180 Days

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Summary

- **FP Integrated Architectures**
- **FP Standards**
- **Technology/development roadmaps**
- **Identify AOA and trade space options to Warfighter**
- **Integrated FP solutions**
- **Facilitate FP/Homeland Security initiatives**
- **Consolidation of Program Elements for common capabilities**



# Recommendation

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Summary

- ☐ **Approve FP Enterprise Management Structure**
  - ESC/CC as Commander**
  - AAC/CV as Vice Commander**
- ☐ **Approve FP Virtual SPO Construct**



# Summary

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Summary

- **AFMC/CC approved an Enterprise Management approach for FP**
- **Opportunity to provide warfighter with:**
  - **AFMC Corporate focus on Force Protection**
  - **More responsive acquisition model**
  - **Focused R&D investment**
  - **Harmonized planning and programming**
  - **Integrated solutions**
  - **Integrated cradle to grave responsibility**
- **Opportunity to quickly respond to Homeland Defense Needs**

***Protecting Warfighter Combat Capability!***